ABSTRACT

Popy Indriani. 2017. Diversity and Abundance of Insekta in Sindangkerta Coastal Coast, Cipatujah Sub-district, Tasikmalaya District. Guided by Drs. H. Ahmad Mulyadi, M.Pd. and Drs. Suhara, M.Pd.

The purpose of this research to get information about the diversity and abundance of Insekta in Sindangkerta Coastal Coast, Cipatujah District, Tasikmalaya Regency. The study was conducting on 16 to 19 May 2017. This research used descriptive method. The research design used is Belt Transect along 250 meters consisting of six stations, the distance between stations is 50 meters. Each consists of six squares, the distance between squares is 10 meters. Sampling using Pit Fall Trap, Beating Tray, Sweeping Net, and Hand sorting methods. Obtained Insects belonging to 7 Orders, 24 families and 47 genus and 55 species, and found 863 individuals. The most abundant species found were Monomorium sp and Eoxenos laboulbenei. Supporting data measured are climatic factors include air temperature, humidity and light intensity. Supplementary data were processed by Multiple Linear Regression on the IBM SPSS program to determine the effect of climatic factors on diversity and abundance. The highest species abundance value in Monomorium sp and Eoxenos laboulbenei with abundance Mean value of Diversity Index 2,224, showed diversity of Insectadi of Sindangkerta Beach District of Cipatujah Regency of Tasikmalaya included in medium category.

Keywords: Abundance, Diversity, Insecta.